Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/26/2022 09:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125263	0	1.37	125187	1.36
Blue	F	SSC	125000	125929	0	2.69	126474	2.60
Blue	E	FITC	15860	15354	-4	2.37	375	13.74
Blue	D	PE	27718	27195	-2	1.84	632	10.88
Blue	B	PerCP-Cy5-5	38046	37396	-2	3.02	1019	14.97
Blue	A	PE-Cy7	26092	25893	-1	4.99	504	31.10
Red	C	APC	49104	48612	-2	2.82	1712	11.62
Red	A	APC-Cy7	28201	27388	-3	3.18	721	12.54
Violet	B	V450	9904	9424	-5	4.17	521	12.22
Violet	A	V500	39004	37189	-5	3.89	970	9.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23951	1.90	568	-1	N/A	N/A	Pass
Blue	F	SSC	56211	1.52	524	-4	N/A	N/A	Pass
Blue	E	FITC	58	55.60	493	2	0.0470	119	Pass
Blue	D	PE	124	37.93	499	3	0.3236	218	Pass
Blue	B	PerCP-Cy5-5	140	45.85	592	3	0.0198	102	Pass
Blue	A	PE-Cy7	63	94.35	635	3	0.0210	0	Pass
Red	C	APC	329	26.91	580	-1	0.0267	142	Pass
Red	A	APC-Cy7	97	42.62	552	-3	0.0060	1074	Pass
Violet	B	V450	84	51.40	459	1	0.0517	2139	Pass
Violet	A	V500	122	35.69	470	1	0.0262	1891	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.59	-31.35	1.13
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.45
Red	14.94	13.90 - 20.86	N/A	N/A	29.73	29.99	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 10763

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments